

FIG. 1
CONVENTIONAL ART

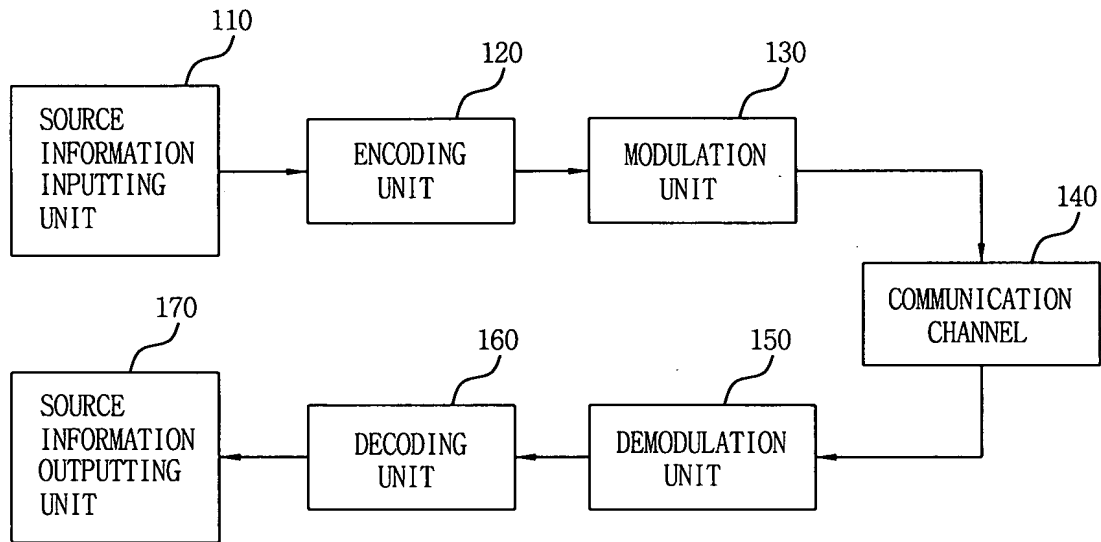


FIG. 2
CONVENTIONAL ART

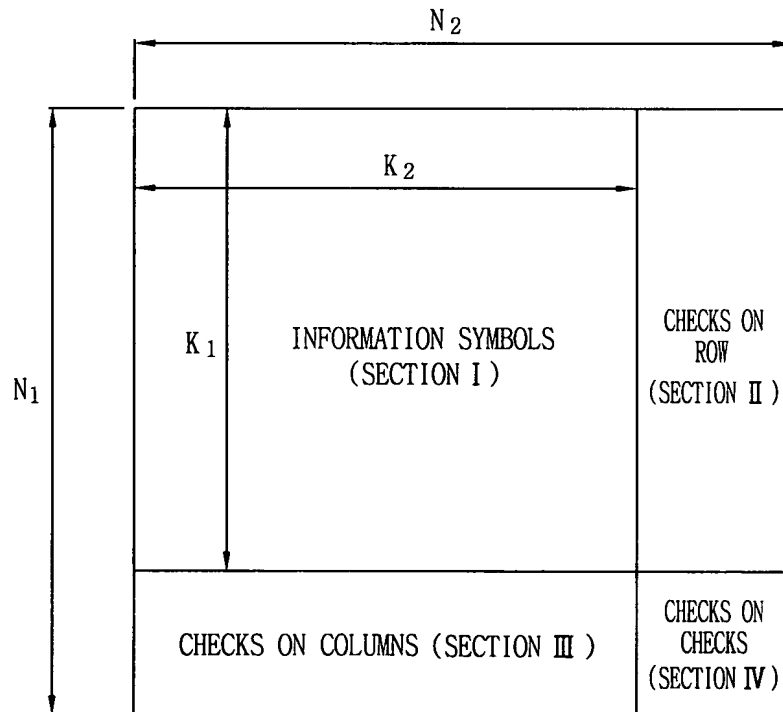


FIG. 3

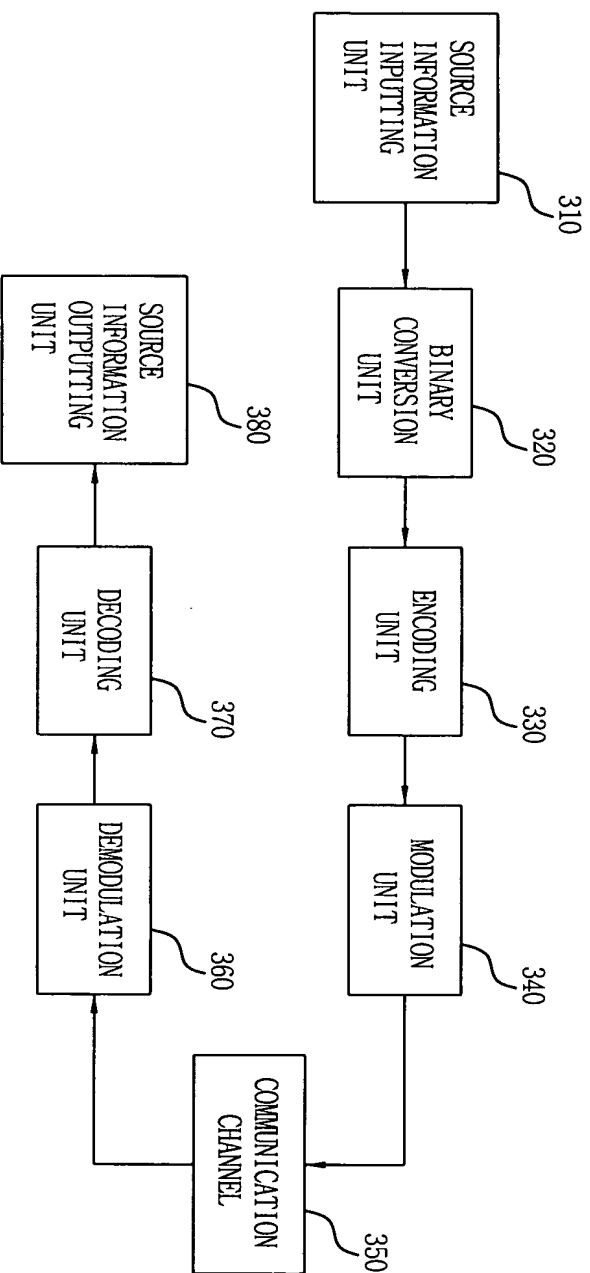


FIG. 4

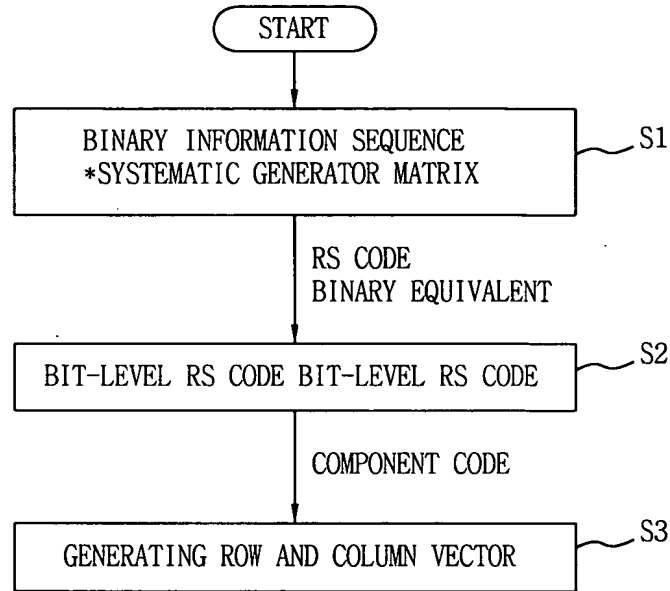


FIG. 5

$$G_b = \left[\begin{array}{ccc} \begin{bmatrix} \alpha^{m-1} & g_{00} \\ \vdots & \vdots \\ \alpha^0 & g_{00} \end{bmatrix} & \dots & \begin{bmatrix} \alpha^{m-1} & g_{0N-1} \\ \vdots & \vdots \\ \alpha^0 & g_{0N-1} \end{bmatrix} \\ \vdots & \dots & \vdots \\ \begin{bmatrix} \alpha^{m-1} & g_{k-1,0} \\ \vdots & \vdots \\ \alpha^0 & g_{k-1,0} \end{bmatrix} & \dots & \begin{bmatrix} \alpha^{m-1} & g_{k-1N-1} \\ \vdots & \vdots \\ \alpha^0 & g_{k-1N-1} \end{bmatrix} \end{array} \right]$$

FIG. 6

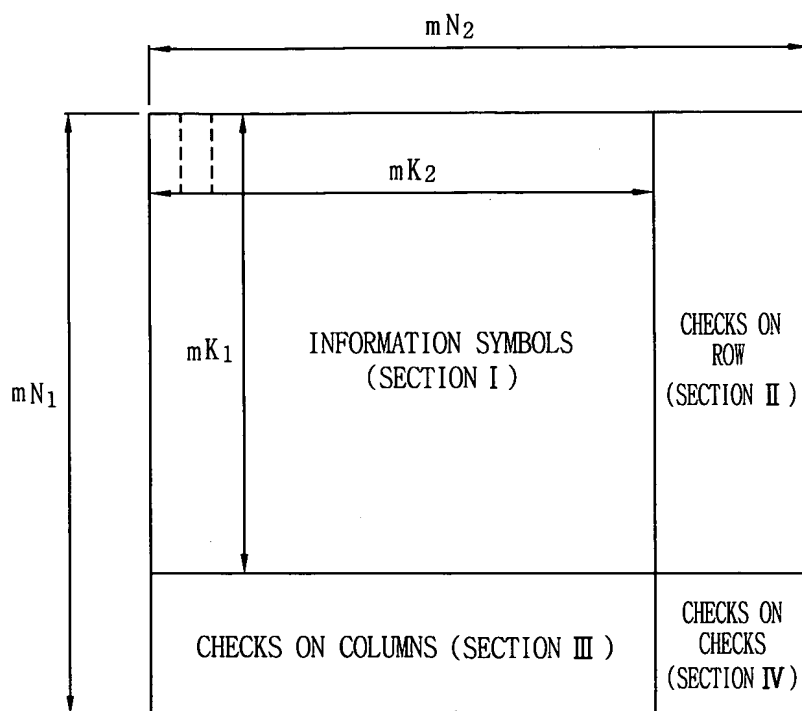


FIG. 7

$\begin{pmatrix} \textcircled{1} & 0 & 0 & 0 & 0 & \alpha^4 & \alpha \\ 0 & 1 & 0 & 0 & 0 & \alpha^5 & \alpha \\ 0 & 0 & 1 & 0 & 0 & \alpha^5 & \alpha^3 \\ 0 & 0 & 0 & 1 & 0 & 1 & 1 \\ 0 & 0 & 0 & 0 & 1 & \alpha^4 & \alpha^3 \end{pmatrix}$ <p>G FOR(7,5)RS CODE</p>	BINARY EQUIVALENT	100000000	00000101011
		010000000	00000111100
		001000000	00000110010
		000100000	00000001011
		000010000	00000101100
		000001000	00000111010
		000000100	00000001111
		000000010	00000101110
		000000001	00000111011
		0000000001	00000100100
		0000000000	10000010010
		0000000000	01000001001
		0000000000	00100101111
		0000000000	00010111110
		0000000000	00001110011
		G ^b FOR(7,5)RS CODE	

FIG. 8

